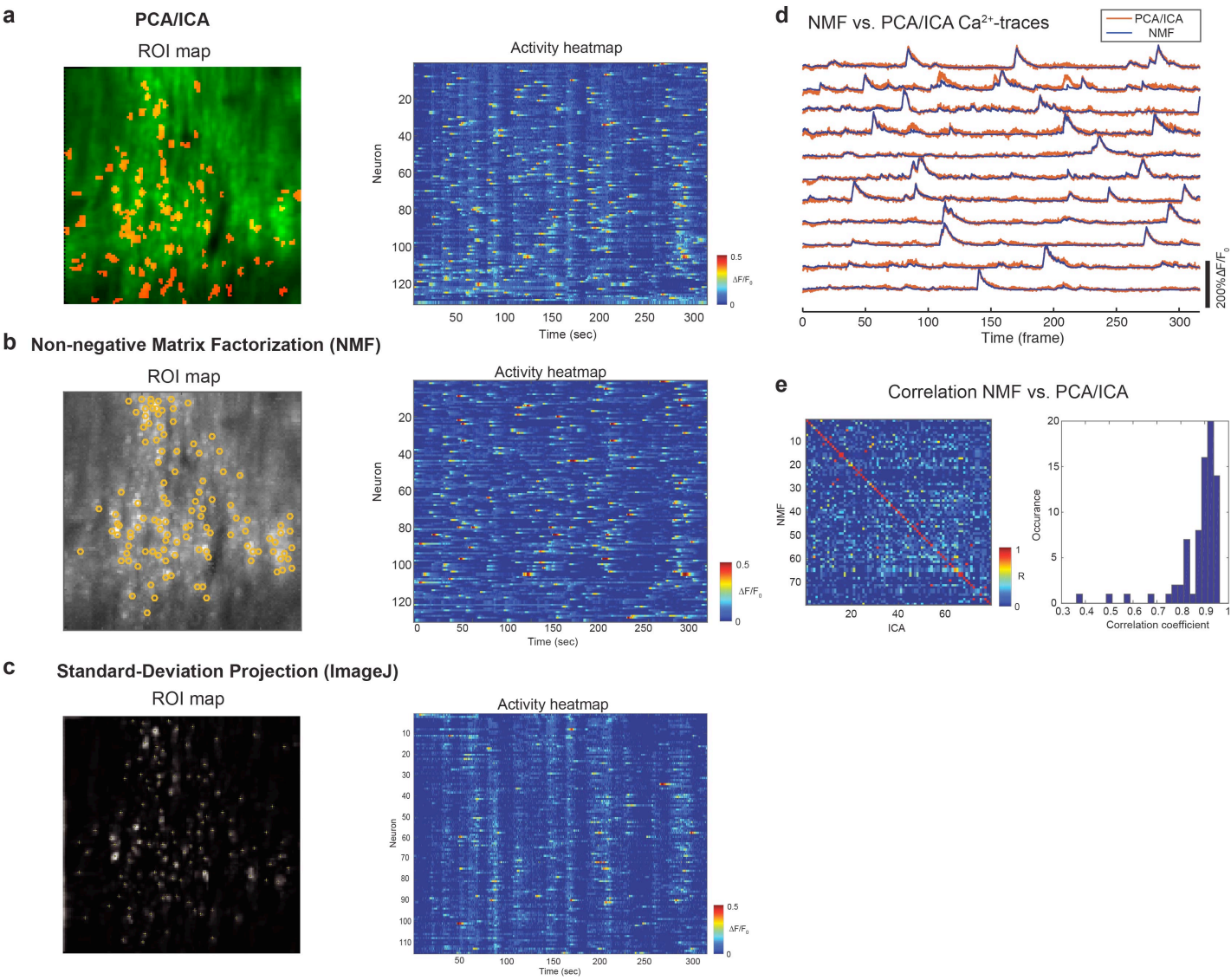


Supplementary Figure 5



Supplementary Figure 5

Comparison of different neuron segmentation and calcium dynamic extraction approaches on s-TeFo imaging data.

ROI maps (left) and activity heat maps (right) for data analysis using PCA/ICA in **(a)**, non-negative matrix factorization (NMF) in **(b)**, and standard-deviation projection in **(c)**. **(d)** Direct comparison of NMF vs. PCA/ICA analysis. Overlay of example activity traces extracted with PCA/ICA and NMF respectively. **(e)** Correlation coefficient matrix (left) and correlation coefficient histogram (right) of all neurons detected by both methods. On average the correlations are high ($R=0.90\pm0.04$). Comparison was done on data set shown in Figure 2c.